

FIG. 2A

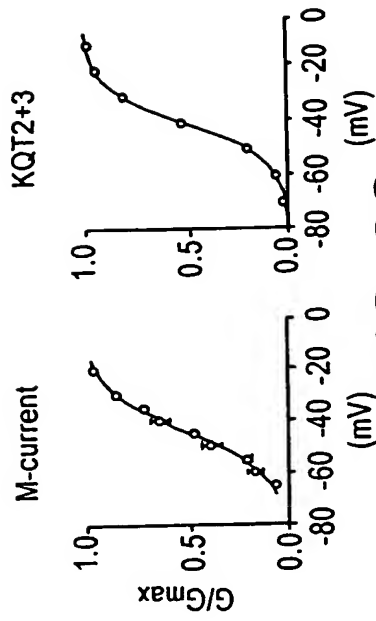


FIG. 2C

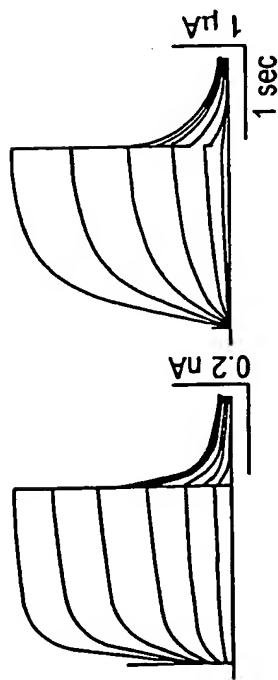


FIG. 2B

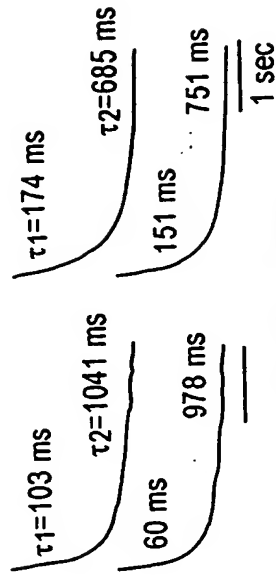


FIG. 2D

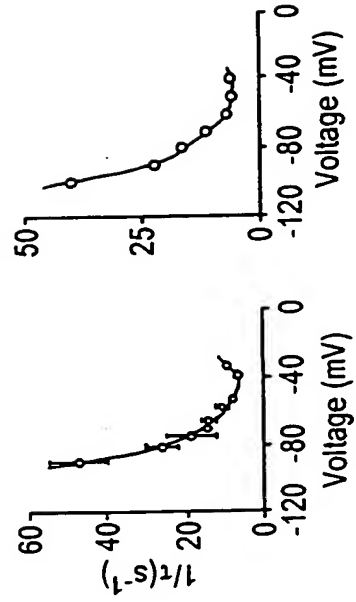


FIG. 2E

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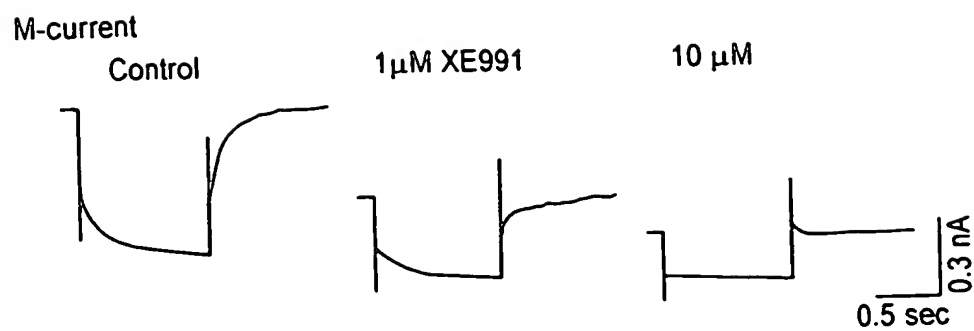


FIG. 3A

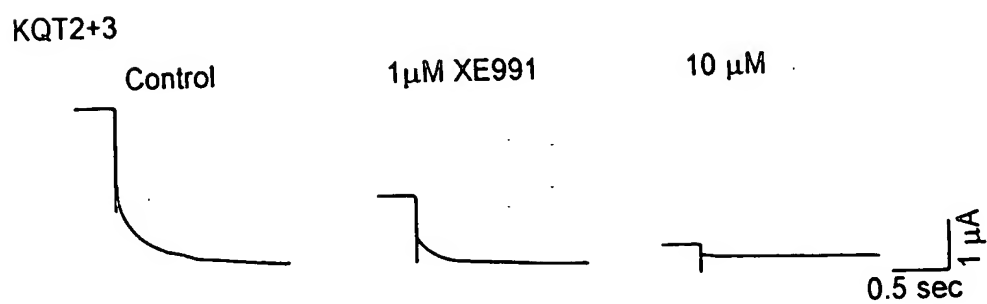


FIG. 3B

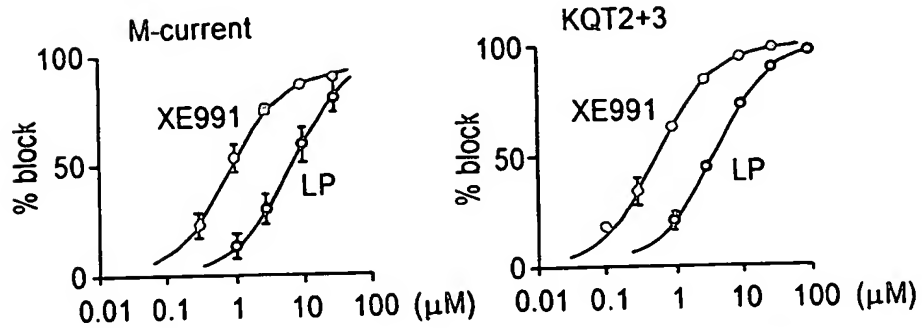


FIG. 3C

FIG. 3D

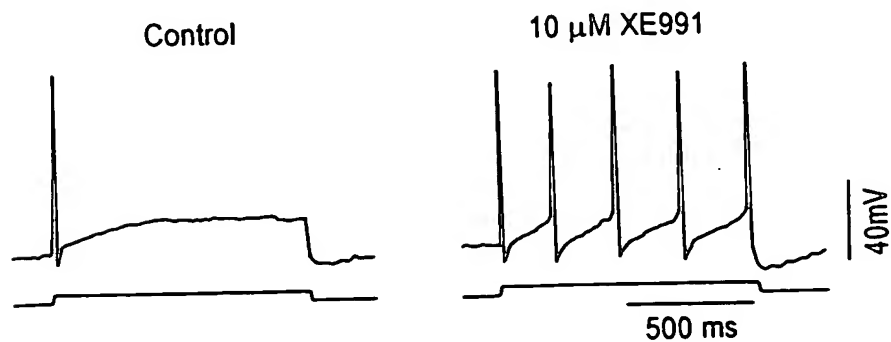
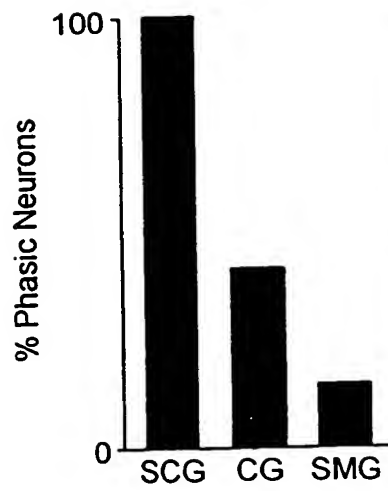
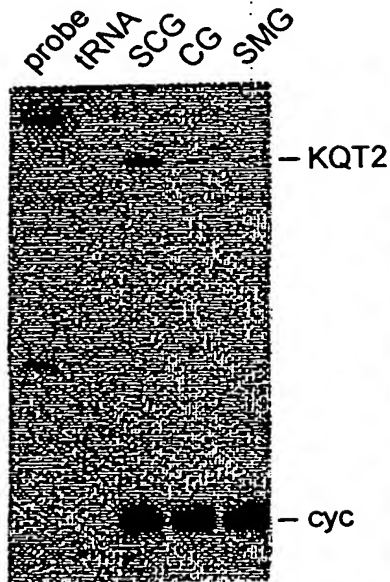
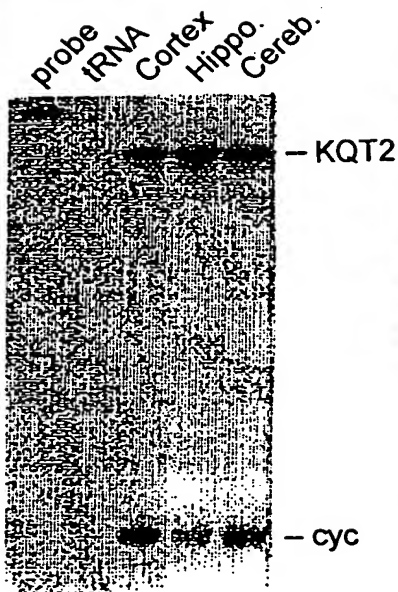
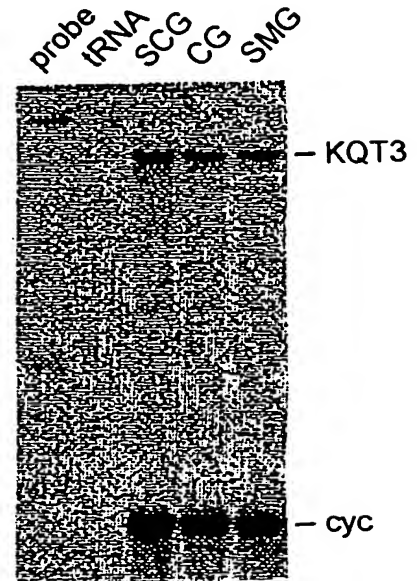
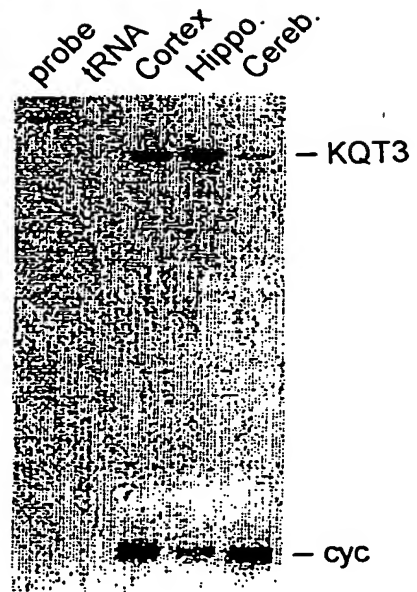


FIG. 3E

**FIG. 4A****FIG. 4B****FIG. 4C****FIG. 4D****FIG. 4E**

Effect of 0.3  $\mu$ M XE991 on hKCNQ2  
expressed in HEK-293E cells

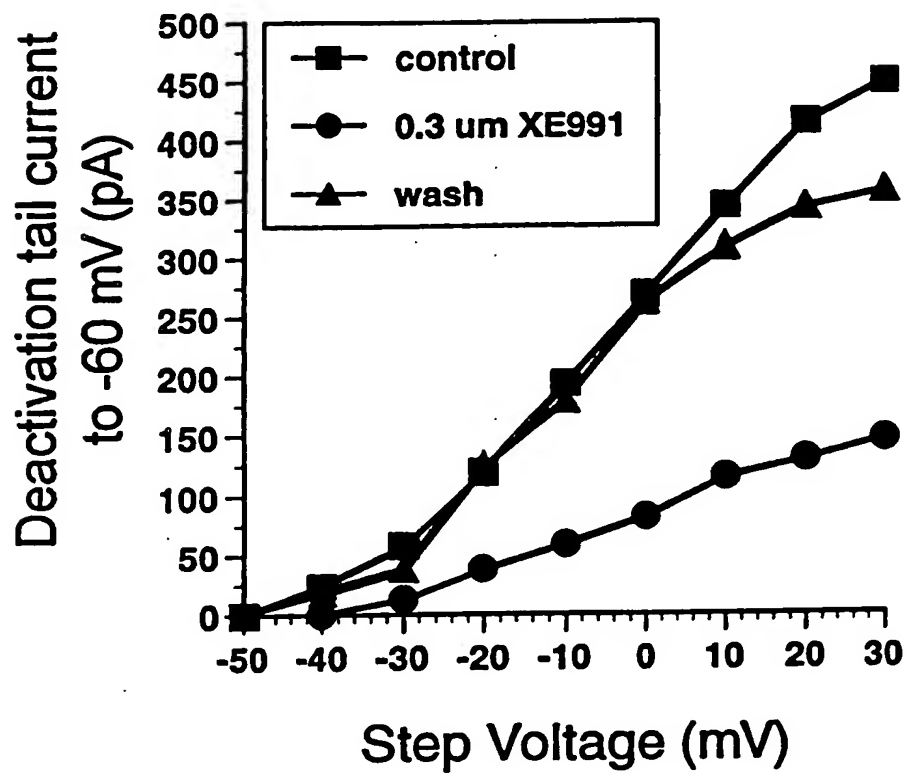
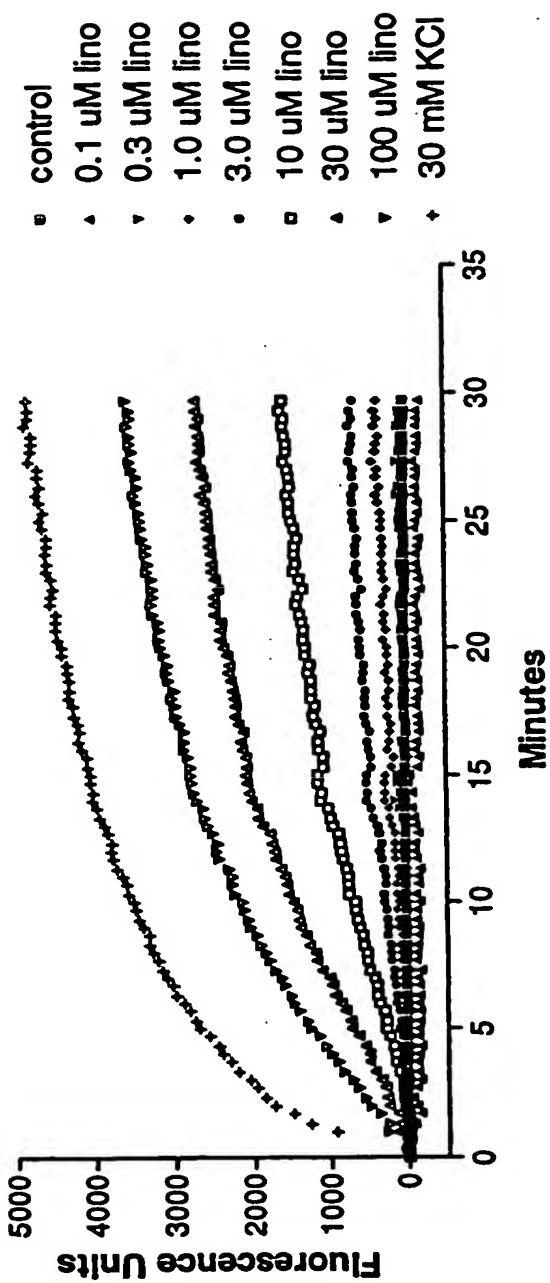


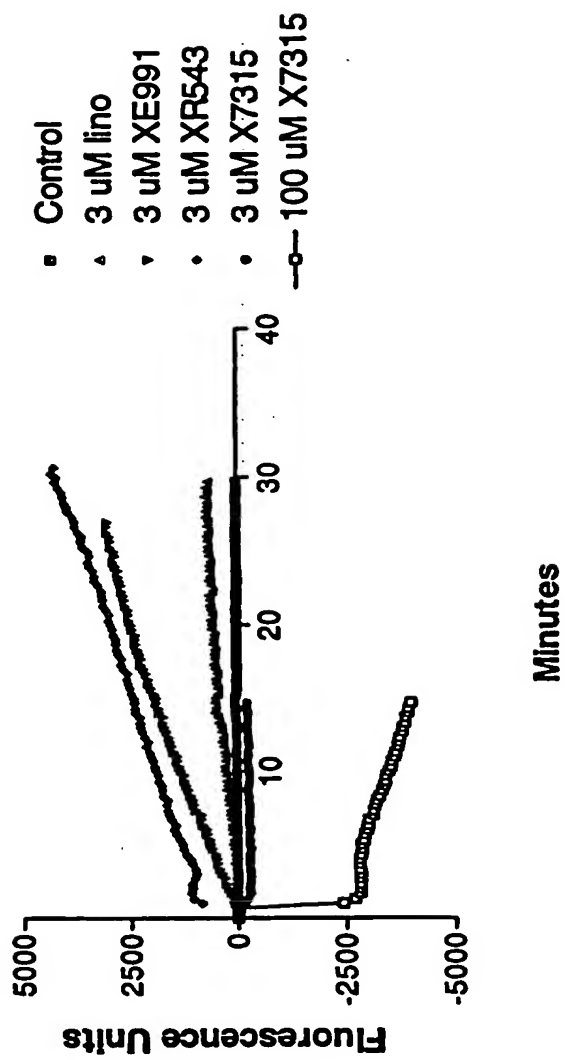
FIG. 5

**Effect of Linopirdine on Voltage-Dependent  
Changes in Fluorescence of HEK 293E Cells  
Expressing hKCNQ2**



**FIG. 6**

**Effect of Several Key KCNQ2  
Modulators on Voltage-  
Dependent Changes in  
Fluorescence of HEK 293E  
Cells Expressing hKCNQ2**



**FIG. 7**